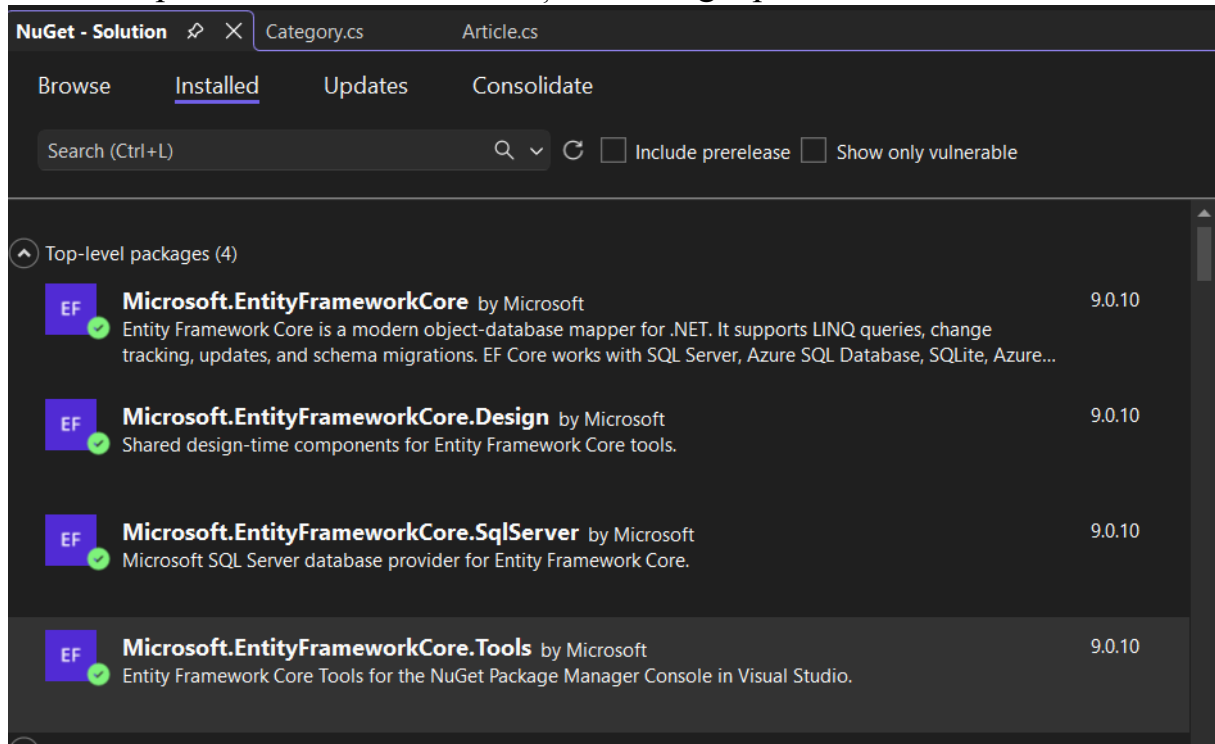


Laborator 5- DAW

Exercițiul 1.

Am creat proiectul nou Laborator5 și am adăugat pachetele necesare.



Exercițiul 2.

Am creat cele 2 modele de bază.

The first screenshot shows the `Category.cs` file in the `Laborator5` project. The code defines a `Category` class in the `Laborator5.Models` namespace. It has two properties: `CategoryId` (int) and `CategoryName` (string). The `CategoryName` property is initialized to `string.Empty`. The code is as follows:

```
1 namespace Laborator5.Models
2 {
3     3 references
4     public class Category
5     {
6         1 reference
7         public int CategoryId { get; set; }
8         3 references
9         public string CategoryName { get; set; } = string.Empty;
10    }
11 }
```

The second screenshot shows the `Article.cs` file in the `Laborator5` project. The code defines an `Article` class in the `Laborator5.Models` namespace. It has four properties: `ArticleId` (int), `Title` (string), `Content` (string), and `Date` (DateTime). The code is as follows:

```
1 namespace Laborator5.Models
2 {
3     7 references
4     public class Article
5     {
6         1 reference
7         public int ArticleId { get; set; }
8         3 references
9         public string Title { get; set; }
10        2 references
11        public string Content { get; set; }
12        2 references
13        public DateTime Date { get; set; }
14    }
15 }
```

Exercițiul 3.

Am creat conexiunea cu baza de date folosind Dependency Injection.

The screenshot shows the `AppDbContext.cs` file in the `Laborator5` project. The code defines the `AppDbContext` class, which inherits from `DbContext`. It uses `Microsoft.EntityFrameworkCore` and `Laborator5.Models`. The class has two DbSet properties: `Articles` and `Categories`. The code is as follows:

```
1 using Microsoft.EntityFrameworkCore;
2 using Laborator5.Models;
3 namespace Laborator5.Data
4 {
5     public class AppDbContext : DbContext
6     {
7         public AppDbContext(DbContextOptions<AppDbContext>
8         options)
9         : base(options)
10        {
11        }
12
13        public DbSet<Article> Articles { get; set; }
14        public DbSet<Category> Categories { get; set; }
15    }
16 }
17 }
```

Am realizat conexiunea cu baza de date în Program.cs, cât și în fiecare Controller.

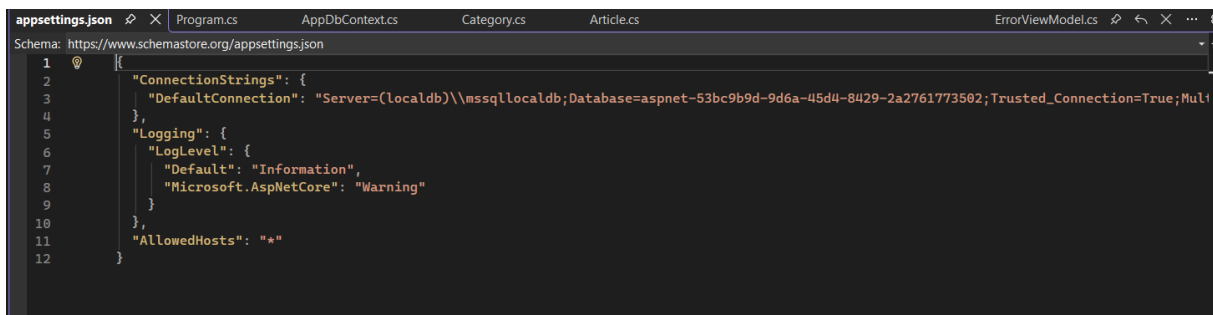
///Program.cs

```
var connectionString =  
builder.Configuration.GetConnectionString("DefaultConnection");  
builder.Services.AddDbContext<AppDbContext>(options =>  
options.UseSqlServer(connectionString));
```

```
namespace Laborator5.Controllers  
{  
    1 reference  
    public class ArticlesController : Controller  
    {  
        private readonly AppDbContext db;  
  
        0 references  
        public ArticlesController(AppDbContext context)  
        {  
            db = context;  
        }  
    }  
}
```

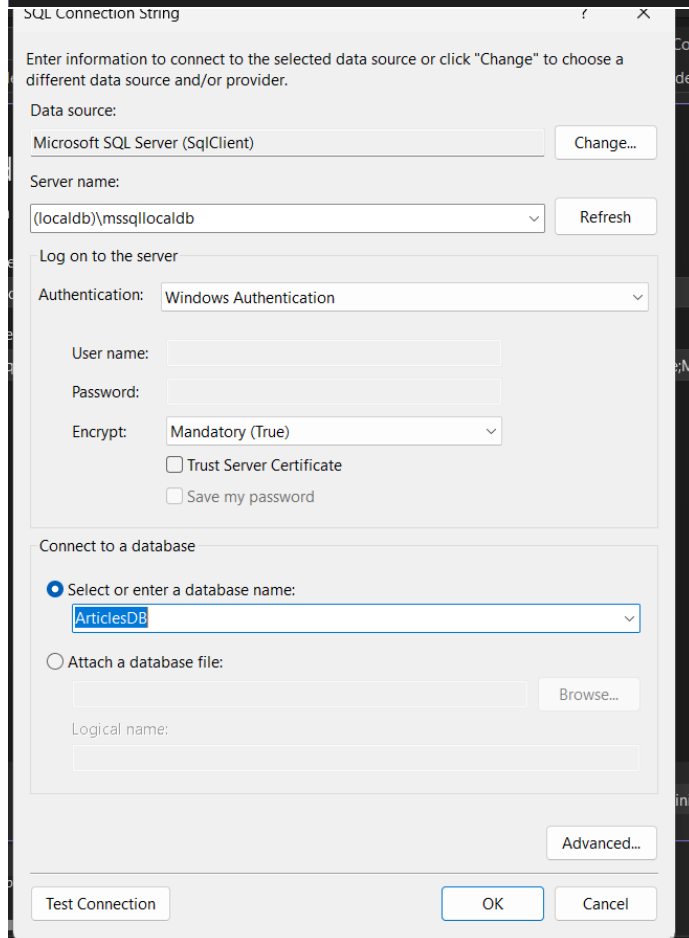
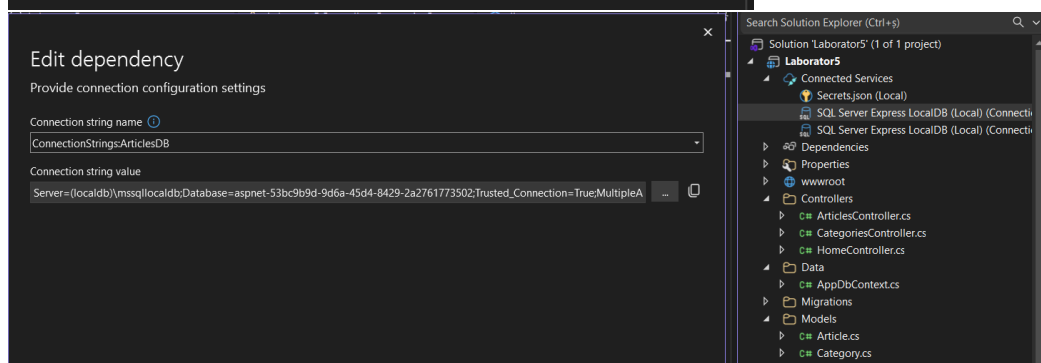
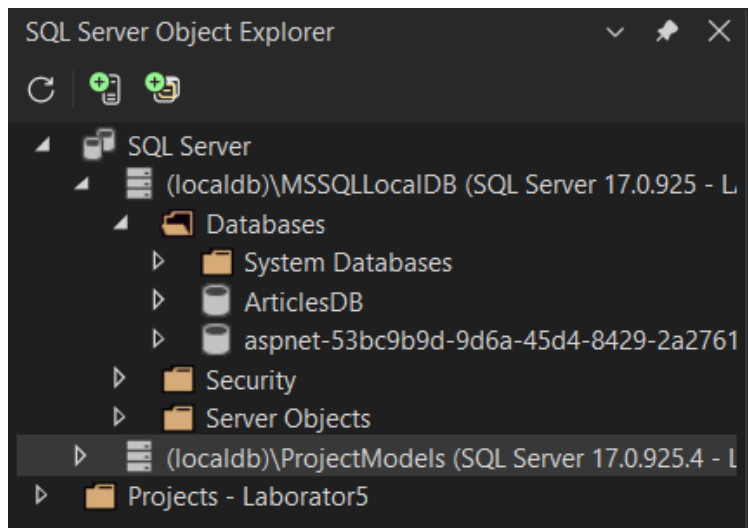
```
namespace Laborator5.Controllers  
{  
  
    public class CategoriesController : Controller  
    {  
        private readonly AppDbContext db;  
  
        public CategoriesController(AppDbContext context)  
        {  
            db = context;  
        }  
    }  
}
```

Am dat update și în appsetting.json.



```
appsettings.json  
Schema: https://www.schemastore.org/appsettings.json  
1 {  
2   "ConnectionStrings": {  
3     "DefaultConnection": "Server=(localdb)\\mssqllocaldb;Database=aspnet-53bc9b9d-9d6a-45d4-8429-2a2761773502;Trusted_Connection=True;Multi  
4   },  
5   "Logging": {  
6     "LogLevel": {  
7       "Default": "Information",  
8       "Microsoft.AspNetCore": "Warning"  
9     }  
10  },  
11  "AllowedHosts": "*"   
12 }
```

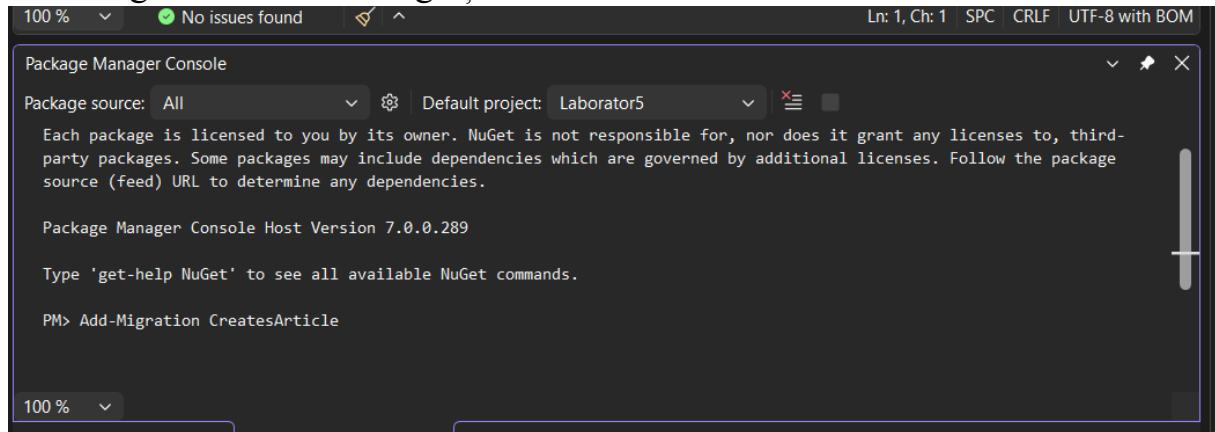
Am adăugat noua bază de date.



După a făcut modificare și în fișierul .json.

Exercițiul 4.

Am integrat sistemul de migrații.



```
100 %  No issues found  Ln: 1, Ch: 1  SPC  CRLF  UTF-8 with BOM

Package Manager Console
Package source: All  Default project: Laborator5

Each package is licensed to you by its owner. NuGet is not responsible for, nor does it grant any licenses to, third-party packages. Some packages may include dependencies which are governed by additional licenses. Follow the package source (feed) URL to determine any dependencies.

Package Manager Console Host Version 7.0.0.289

Type 'get-help NuGet' to see all available NuGet commands.

PM> Add-Migration CreatesArticle

100 %
```

Am adaugat si migratia pentru categorii.

Apoi am executat comanda Update-Database.